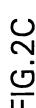
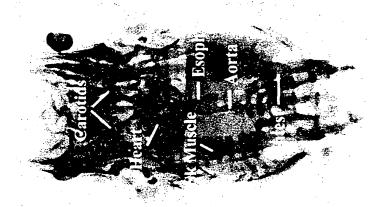


F.G.

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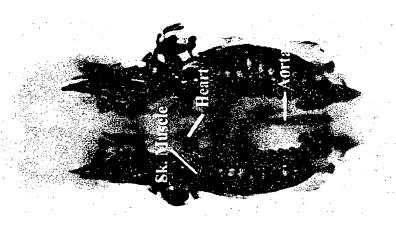
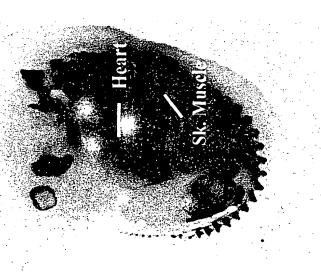


FIG.2B



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FIG.2A

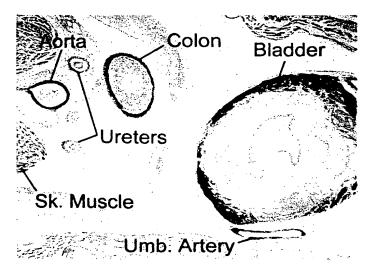


FIG.3A

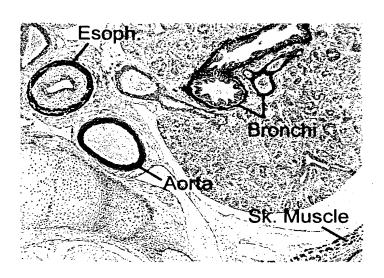


FIG.3B

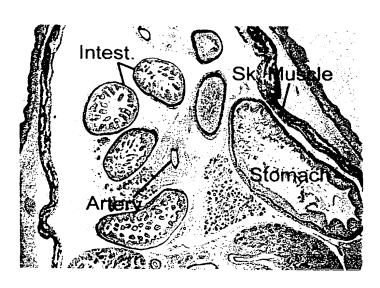
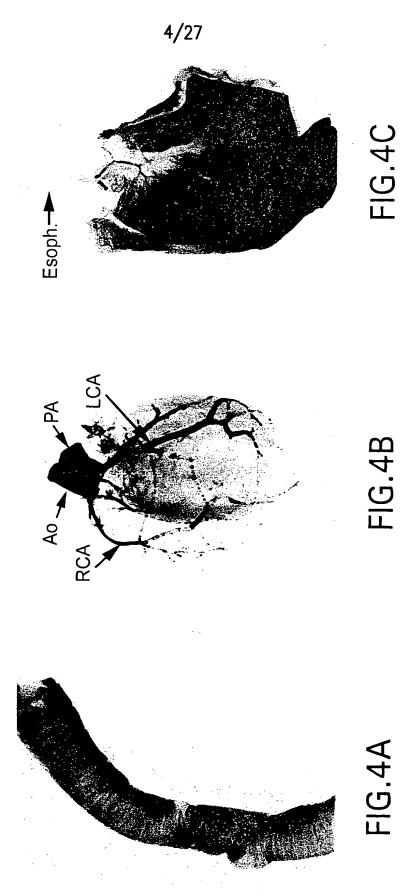
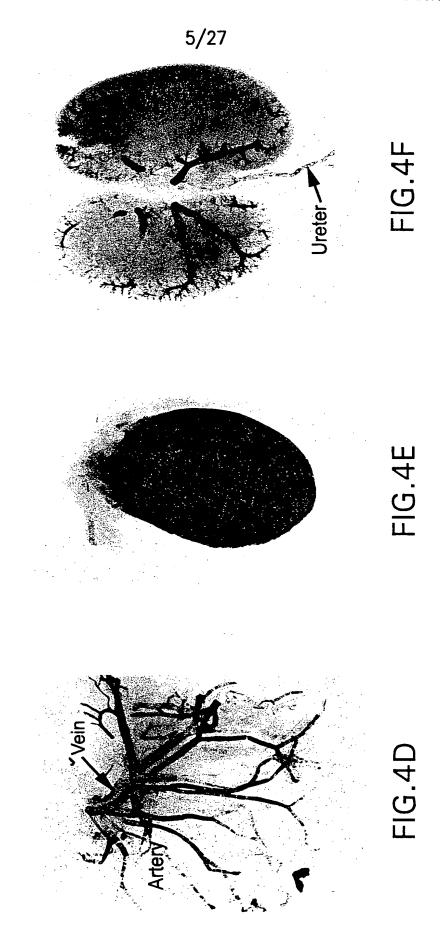


FIG.3C



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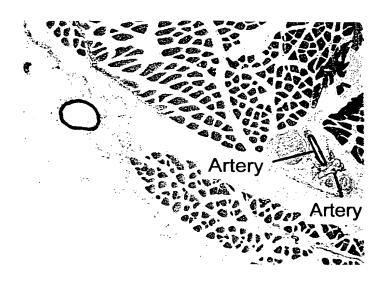


FIG.5A

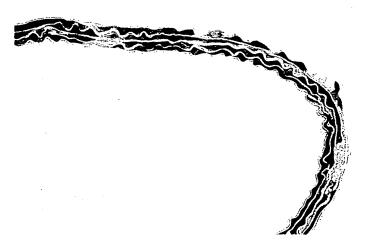


FIG.5B

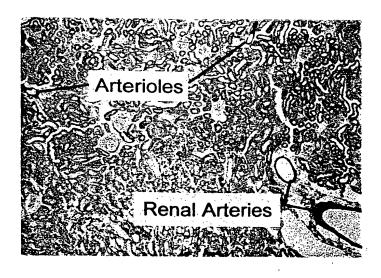
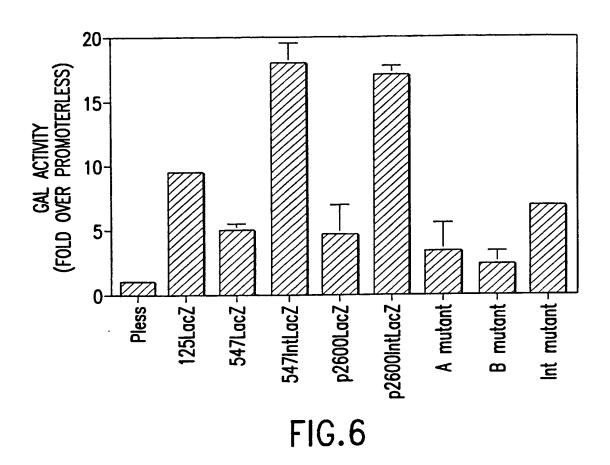
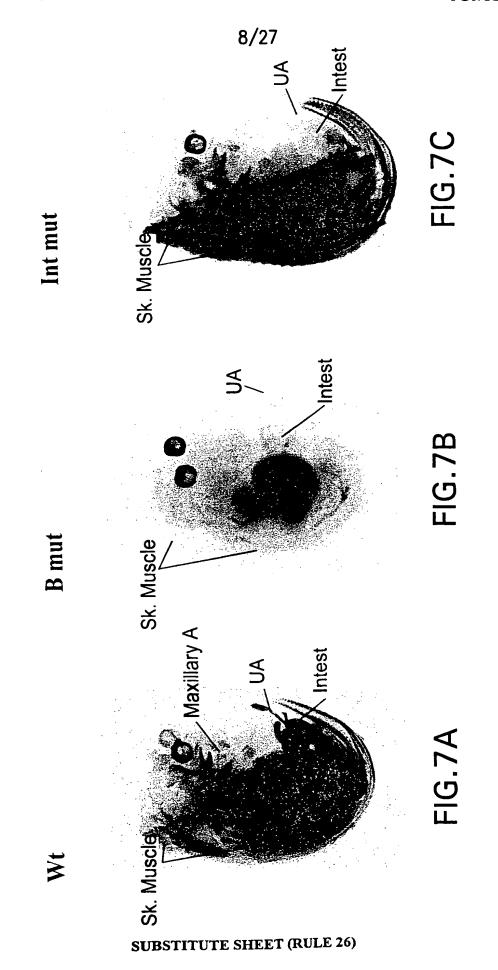
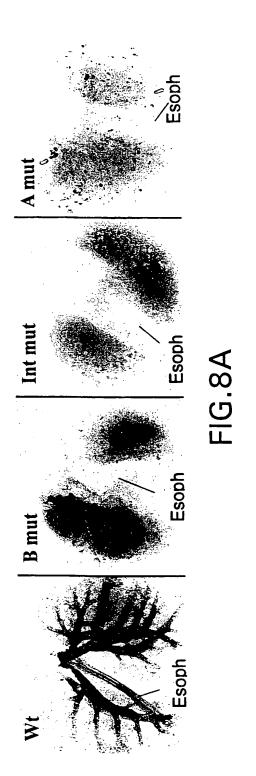
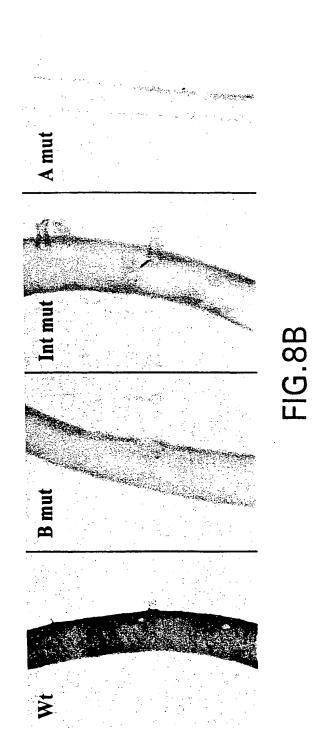


FIG.5C

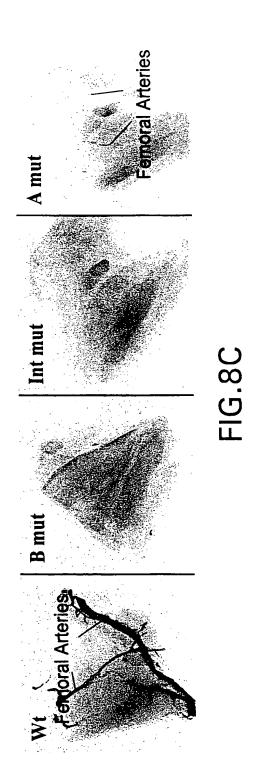


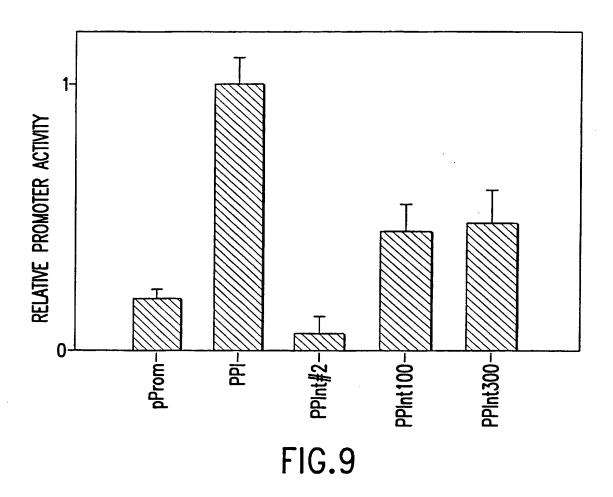


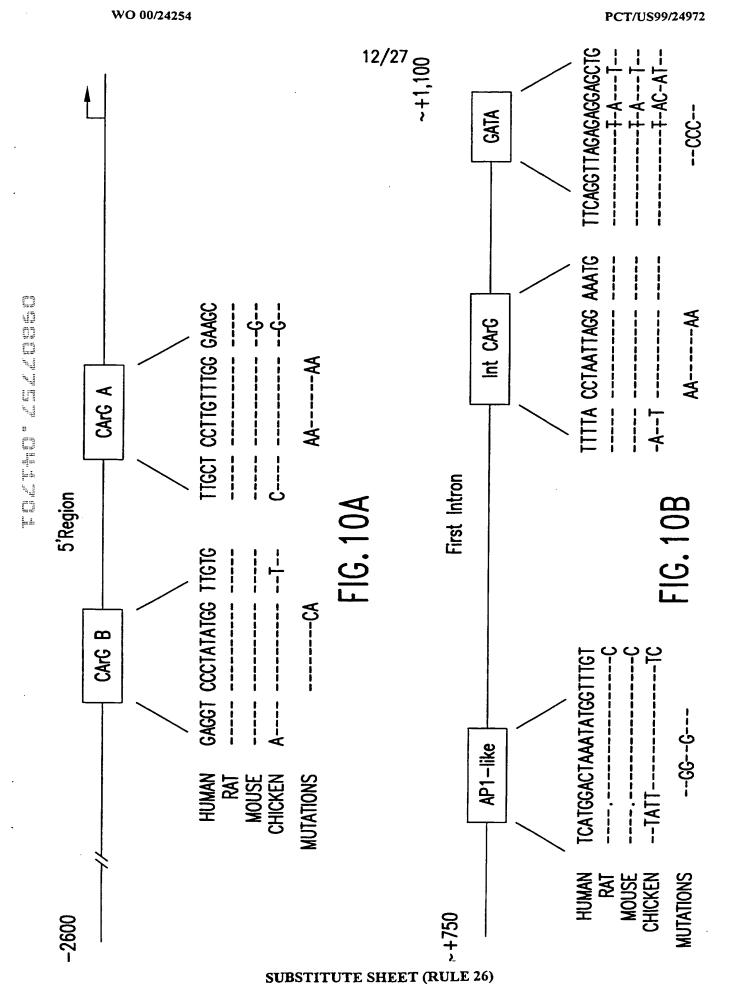


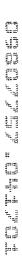


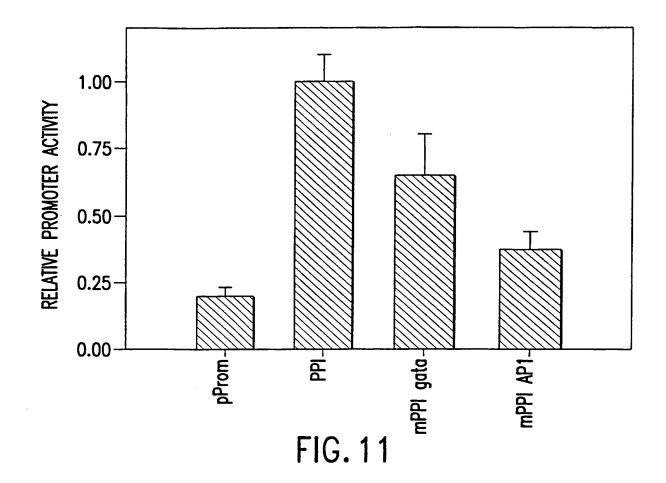
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	1				50
human	~~~~~~~	~~~~~~	~~~~~~	~AGAGAGCAA	GCAAGAGCAG
rat	~~~~~~		~~GACATGGT	AGCGTGAGTA	GACAGCTGCT
mouse	ACACCATAAA	ACAAGTGCAT	GAGCCGTGGG	AGCGTGAGTC	GACAGCTGCT
chicken	~~~~~~~			~~~~~~~~~	
	51				100
human		CTTATAAAAC			
rat		CTGGGCTTTC			
mouse	GCCATTCACC	CTGGGGTTTC	CCTAACATGT	GCACAGTTCA	GAAGCACTCC
chicken	~~~~~~~	~~~~~~	~~~~~~	~~~~~~	~~~~~~
	101				150
human		GCATGGTATA	AAACGCCCCC	ATCGATCCAG	
rat		CTAAAATATC			
mouse		CCAAAATATC			
chicken		GGCTTTTTGA			
	21	4401	, , , , d, , d, d	a.r.a.ta.rra	·
	151				200
	101				200
human		CTCTGGACAT	GGGATTA	TGGAGATTAG	
human rat	CCATGCCTTT	CTCTGGACAT AAGTAGAGAA			AATTCGAGAC
	CCATGCCTTT TGCAGGAGGG		AGGTAAAGTC	GTTGACTGTC	AATTCGAGAC CATTGAAGCC
rat	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA	AAGTAGAGAA	AGGTAAAGTC ATGTAAAGTC	GTTGACTGTC ACTGACTGTC	AATTCGAGAC CATTGAAGCC CATCAAAGCC
rat mouse	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT	AAGTAGAGAA AAGTACAGAA	AGGTAAAGTC ATGTAAAGTC	GTTGACTGTC ACTGACTGTC	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT
rat mouse chicken	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT 201	AAGTAGAGAA AAGTACAGAA CTGATCTCTA	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC	GTTGACTGTC ACTGACTGTC AAGGGCAATG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250
rat mouse chicken human	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC	GTTGACTGTC ACTGACTGTC AAGGGCAATG ATATCACCTG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250 GTCTCTCTA.
rat mouse chicken human rat	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAAGAATGG.	GTTGACTGTC ACTGACTGTC AAGGGCAATG ATATCACCTG CAGG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250 GTCTCTCTA. GTCACTTGAT
rat mouse chicken human rat mouse	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT TGCCTTTGAA	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAACCAAACC GAAGAATGG. GAATGATAGG	GTTGACTGTC ACTGACTGTC AAGGGCAATG ATATCACCTGCAGG GTCACTTGAG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT
rat mouse chicken human rat	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAACCAAACC GAAGAATGG. GAATGATAGG	GTTGACTGTC ACTGACTGTC AAGGGCAATG ATATCACCTGCAGG GTCACTTGAG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT
rat mouse chicken human rat mouse	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT TGCCTTTGAA	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAACCAAACC GAAGAATGG. GAATGATAGG	GTTGACTGTC ACTGACTGTC AAGGGCAATG ATATCACCTGCAGG GTCACTTGAG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT 250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT
rat mouse chicken human rat mouse	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA GTGAAAGGGC	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT TGCCTTTGAA	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAAGAATGG. GAATGATAGG ACACAGTCTG	GTTGACTGTC ACTGACTGTC AAGGGCAATG  ATATCACCTGCAGG GTCACTTGAG CCTAGAGAAC	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT  250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT AGCTGGCTGC  300
rat mouse chicken human rat mouse chicken	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA GTGAAAGGGC	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT TGCCTTTGAA TGCTCATGAG	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAAGAATGG. GAATGATAGG ACACAGTCTG	GTTGACTGTC ACTGACTGTC AAGGGCAATG  ATATCACCTGCAGG GTCACTTGAG CCTAGAGAAC  GAGAGGAGGG	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT  250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT AGCTGGCTGC  300 CTACAGAGGC
rat mouse chicken human rat mouse chicken	CCATGCCTTT TGCAGGAGGG TGCAGGAGGA ATGCTAATTT  201 GAGATTTGGG AAAGAGCTGA AACGATCTGA GTGAAAGGGC  251CTTCCT CGCTCTTTCT	AAGTAGAGAA AAGTACAGAA CTGATCTCTA TGGGGACGTA TGATGTCTTT TGCCTTTGAA TGCTCATGAG GTCAAGGAGG	AGGTAAAGTC ATGTAAAGTC GTAGTAGTTC GAACCAAACC GAAGAATGG. GAATGATAGG ACACAGTCTG TTAGTGGGCA CTCATAAACA	GTTGACTGTC ACTGACTGTC AAGGGCAATG  ATATCACCTGCAGG GTCACTTGAG CCTAGAGAAC  GAGAGGAGGA CGGAGGAGGA	AATTCGAGAC CATTGAAGCC CATCAAAGCC TATTGTTACT  250 GTCTCTCTA. GTCACTTGAT GTCACTTGAT AGCTGGCTGC  300 CTACAGAGGC TGAGCAGGCT

# FIG.12A

human rat mouse chicken	TCATTTCAAC TCATTTCAAC	ATTTCAAACT ATTTCAAATT	TCTTTTACAA TCTTTTACAA	ACT AGTTTTTTT AAAGCTAGCT	TTTTTTTATG TTTTTTTATG
human rat mouse chicken	ACGGGGCAAT ACAGGGTGAC	GGGTCCTCTC TGGTGATCTC	TGTGGCCAAA TGTGGGCAAA	GGATGGTCCC AGACGGTCCT GGATGGTCCT AGATAGGAGT	TAAGCATGAT TAATCATGCT
human rat mouse chicken	ATCAGGGGTC GTTAAGGGTC	AGCGATAAAC AGTAAAAAGC	CAACAACATG CAGCAACATG	AAAGCTAATG CACGTGGACT CGGAATG AGCTTGTCCA	GTACCTAGGGTTAAGG
human rat mouse chicken	GTTAACGCAG GTTAAAGCAG	TTACAGTGAT TTACAGTGAT	TCTGACTTCT TCTGACTTCT	AAATTCCTCT AAGTTCCTCT AAGTTACTCT TATTGATTGT	TTGGGCAACA
human	501				550
rat mouse chicken	TAGGCTGGTG CAGGCTGGTT	AATCCTGATT AATCCTCACT	ACATACTTCC ACATACTTC.	ATATGTAATAA AGAACGTTTA	CATACAGACT GTTCCTGGTT

# FIG.12B

WO 00/24254 PCT/US99/24972

	601				650
human	TAAAATCATC	ACTCCCTCTA	TGTATTTATA	GACGACTGAA	GGAATATCTT
rat	TAAAATGATC	ACT.CCTCTG	CAGATTCGCA	GGTGAC.CCA	AGCATCT.TT
mouse	TAAAAACATG	ACT.CCTCTG	CATATTTATG	GGTGACTCGA	AGCATCT.TT
chicken				GGCAAAATTC	
	651				700
human		ATGCTACCGT	GGTAGAAGGA	TTTTAAAAGT	CCATGCTAGG
rat	TGTTATAGGC	TACCTTTTGC	AACAG.TGTT	GCCTTAAAGT	CCCAGCTAGT
mouse	TGATCTAGGC	TACCTTTTGC	AACAG.TGTT	GCTTAAAAAT	CGCAGCTAGT
chicken				GTCCAAATCT	
	701				750
human		CCTTTCTGCC	CCTTTCTGTT	CTCAGTTTAT	TAGGAAATAG
rat	CAGAGACA		CCTTCCTCAT	CTCAAGCCCT	TAGCTAATGG
mouse	CAGAGACA			C.CAAGTCCT	
chicken				TTACAAATGA	
	751				800
human		CAGCATGATA	GCAACT.	GGCATC	CGTCTGTGAA
rat				GGCATC	
mouse	CCCAAAAGAC	TAGCCTGACA	GGGGCT.	GGCATC	TTCTGAGGAA
chicken	AGTTTTCACT	CTGCCTCTTG	GATGTTCCTG	TGAAGGCCAG	GGCCTCTCTC
	801				850
human				CCCGTAGCTC	
rat				ACACTAGCCC	
mouse	TGTGCAAACC	GTGCCTGCGT	CTGTCCCATG	ACACTAGCCC	AGTGTCTG
chicken	TCTTGTTTGA	ACGTGTGCTC	TTCCTGACAG	AGGGTGTCTG	TCCCAGGCAC
	851				900
human		CACTTCTTCT	CAACCCTTCC	CGTGTTTATC	TCCCACAGGC
Hullian					
rat	GGCATTTGAG	CAGTTGTTCT	GAGGGCTCAG	GATGTTTATC	CCCATAAGCA
***************************************	GGCATTTGAG GGCATTTAAG	CAGTTGTTCT CAGTTGTTCT	GAGGGCTCAG GAGGGCTTAG	GATGTTTATC GATGTTTATC	CCCATAAGCA CCCATAACGA
rat	GGCATTTGAG GGCATTTAAG	CAGTTGTTCT CAGTTGTTCT	GAGGGCTCAG GAGGGCTTAG	GATGTTTATC	CCCATAAGCA CCCATAACGA

FIG.12C



human rat mouse chicken	901 GGCTGAACCG CT GCTGAACTGC CT GCTGAGCTGC CT TGAAAGTCTC CT	TCCTGTTTC TCCTGTTTC	GAGAGCAGAG GGGAGCAGAA	CAGAGGAATG CAGAGGAATG	CAGTGGAAGA CAGTGGAAGA	
human rat mouse chicken	951 GACCCAGGCC TO GACCCAGGCC TO GACCCA.GCC TO GACTGAGGGC .O	CTGGCCACC CTGGCCACC	CAGATTAGAG CAGATTAGAG	AGTTTTGTGC AGTTTTGTGC	TGAGGTCCCT TGAGGTCCCT	CArG B
human rat mouse chicken	ATATGGITGT GT ATATGGITGT GT ATATGGITTGT GT ATATGGITTT GT	TTAGAGTGA TTAGAGTGA	ACGGCCAGCT ACGGCCAGCT	TCAGCCTGTC TCAGCCCGTC	TTTGCTCCTT TTTGCTCCTT	CArG A
human rat mouse chicken	1051 GTTTGGGAAG CA GTTTGGGAAG CO GTTTGGGAGG CO	GAGTGGGAG GAGTGGGAG	GGGATCAGAG GGGATCAGAG	CAGGGGGCTA CAAGGGGCTA	TATAACCCTT TATAACCCTT	
human rat mouse chicken	1101 CAGCTTTCAG CO CAGCCTTCAG CO GTGCTTTTGG AT	CTCCCC~ CTCCC~~	EXON 1			

FIG.12D

human rat mouse chicken		GTAAG	GATGTGACTT GATGTGACTT GATATGACTT	AGAGTTTTCC	CAGGCT.TTT
human rat mouse chicken	TAATCATCCA TTATCATCCA	GTGGAACCAG ATGTAGCCAG	ACACCATCTG ACGTTGTCTG ACATTGTCTG AACCAATAGT	TAGTAATCTG TGGGAATCTG	AATGACTCAC AATGACTCAC
human rat mouse chicken	ATGTTtGGAA GTGTTTTGAA	TTTGGGAATA TTTTTGAATA	AAGA.TTGTA AAGATTTATG AAGATTTATA CACATGGAAG	CTGTTAAAAT CTGTTAAAAT	GATTGTAGCT GATTGTAGCT
human rat mouse chicken	CCTTA.GCTT	GCATGATTTC GCATGATTTT	ACGTTAAAGA GTATCTAAAC ACATCCGAAT GCATTACTTA	GGG AGGGCTGATT	
human rat mouse chicken	GAATCGTGGT AACGCTTGAT	TTACTGGCAA TTACTGGAAA	GGGTAGAGAA AGGAGATGGA AGGAAATGGA AGTTGTATTT	GAGGAAATTA TAGAAAATTA	AAGTTTGTTC AAGTTTGTTC
human rat mouse chicken	ATGCGTGGCA ATGTGTGTCA	TCTGTGAAAT TCTGCAAAAC	.TGTTCATCC CTGTTTACAC CTGTTTACAC TTGCCGATTC	TAAACCAACT TAAACCAACT	GCTCGGATCC GCTCTGATCC

# FIG.13A

	301				350
human	TGCAGCACAA	TACAGGTATG	CAGGTTAGCT	GTGTGCAGTA	AGTTATAC.A
rat		TATAGGGGAG			
mouse	CGCAGCGTAC	TGTAGGGGTG	GAGTCTAGCT	<b>GTATGTGGTA</b>	AATTATAC.G
chicken		CAGACTGTTT			
	351				400
human		TTTAGGCACT			
rat		CTTAGGTGTT			
mouse		TTAGG			
chicken	TGTGCCCCTG	TGGAGTTAGC	TTTGGACAGA	ACAGAGTTCC	TGAATGGGTG
	401				450
human		GTTTTCTTTC			
rat		AGGACTTTCC			
mouse		AGGTATTT			
chicken	AATTTGCACA	CTGTGTAGTG	GTTTCTCAGC	AGCTTTGCTT	CAGTGCTCTC
					=00
	451				500
human		CGGA.TTTTG			
rat		.GGA.TGTCA			
mouse		.GAA.TATCA			
chicken	AAAATCAGCT	TAAATTGACG	TAAGTGTTTT	GGAGTGTGAC	TGCAAGAAGA
	501				550
human		CTGAATTTGT			
rat		CTGAGTGGAC			
mouse		CTGAGTGGAC			
chicken	GCTGGAAGAT	GCAAAATAGC	AGTATCTAAT	CAGATGCAAT	GAGGATGCAT
	554				<b>C00</b>
	551	ATTTATTA	*****	CTCTTTTTC	600
human		CTTTTGTTGG			
rat	CAG			CTT	
mouse		CCTATGCTGG			
chicken	GTGTATTCAT	TGCTGTCTCG	ATAGATATGA	AAGCIGTGGT	CIGCAAAACG

FIG.13B

human rat mouse chicken	GTGC	CCTTACGA.T CCTTACAA.G	TCAAACCTAT TCAGACCTAT	ATCATTGGTC GTCATTGGTC GCCATTGGTC ACAGAGTTCC	ATTTGCAGC.
human rat mouse chicken	AAAGCATA		CTCCTCTACT	CTCTGGAAAG CTCTGCAAAG TTCTGCAAAG GGCTGGGGAA	AAA
human rat mouse chicken		TG	AGGAAGTGTC AGGAAGTGTC	TCCTCCCGGC TCATTCGGGA TCATCCAGGG AGGCTAAATA	AGGATCT
human rat mouse chicken	GA.TTGCGTT GATTTGCATT	TCTCTGCCTC TCTCTGCCTC	AAGTGTCCCT ACGTGTCCCT	CAGCCTGGTG CTGGCCCCTT CAGCCGCTTA GTGTGAGTGA	AG. AGT
human rat mouse chicken	GCAGAa ATCTGTGGAA	TCTCTGTGGG CCAGCCTTGC	AGCCACC	TGAGTTTCACCCAT GTCCTTGAGC	CACTCAG TGTAACTCAG
human rat mouse chicken	GACTTGGTAa GGCTCGGTAG	CTTCTGCAGG CTTCATCAGG	GAAACGGAGT G.AATGGAGT	TTTCATGCTG TTTCTCGATA TTTCTCGATA TTTAGCTTTG	AGATTTTCCT AGATTTTCCT

# FIG.13C

	901				<del>9</del> 50	
human	AGCATTTTGT	GTTTCATGGA	CTAAATATGG	TTTGTGTTTC	AAGACCAATG	
rat	CCCcTTTTGT	GATTCAT GA	CTAAATATGG	TTTGCGTTTT	GAGACTCACA	
	CCTGTTTTGT	GATTCAT GA	CTAAATATGG	TTTGC.ATTT	GAGACTCATA	
mouse chicken	эттт	TGCTCTATTA	CTAAATATGG	TTTTC.ATTA	GAGTCCTCCA	
CHICKEH		1001017				
	951				1000	
human	AGCT.GGGAA	CTGTACTGTT	CTTTC	C	CCTCCCATCA	
rat	AACTGGGGAA	GGTTACTGTC	CTTTCCTCCT	CCCTCCCCTC	CCCTCTTACA	
mouse	AGCT.GGGAA	GGGTACTGTC	CTTTCCTCCC	TTCCCCCCTC	CCC.CCAACA	
chicken	AGCTAGAAA.	TGCAGCC	TTTTCCAGCT	CCCTCCTCTC	CCCTCCCCCA	
CHICKEH	Auc i Auron.		••••			
	1001				1050	
human	ACTCATTTTT	GGCACAAGAC	GCACTCTAGT	CAGTTGGAGC	AAACCCCT	
human rat	ATTCATTTTT	GGCACAAGAT	GAGCTCCACT	GTGCTGCACC	AAACTCCCCG	
	ATTCATTTTT	GGCACCAGAT	GAGCTCCACT	GGGCTGCACC	AAACTCCCCG	
mouse	AGTGATTTTT	GCCATTGCAT	TCTCTGCATT	G.GTTTGAGC	AAACCCCCTG	
chicken	AGIGATITI	GUCKITUCKI	1010100111			
	1051				1100	
human	1051	CAGTTCCAAA	AGCAGACACT	CGAGC		INTRONIC
human	GACCCGGGTG	CAGTTCCAAA	AGCAGACACT AGCGGACGCT	CGAGC	GTGTTTTACC	INTRONIC CArG
rat	GACCCGGGTG GCCTCGGGTG	<b>CAGTTCCAAA</b>	AGCGGACGCT	GGAGCCCAGT	GTGTTTTACC GTGTTTTACC	INTRONIC CArG
rat mouse	GACCCGGGTG GCCTCGGGTG	CAGTTCCAAA CAGTTCCAAA	AGCGGACGCT AGCAGAGGCT	GGAGCCCAGT GGAGCCCAGT	GTGTTTTACC GTGTTTTACC GTGTTTTACC	INTRONIC CArg
rat	GACCCGGGTG GCCTCGGGTG	CAGTTCCAAA CAGTTCCAAA	AGCGGACGCT	GGAGCCCAGT GGAGCCCAGT	GTGTTTTACC GTGTTTTACC GTGTTTTACC	INTRONIC CArG
rat mouse	GACCCGGGTG GCCTCGGGTG CCCCGGTG ACCTCGAACT	CAGTTCCAAA CAGTTCCAAA	AGCGGACGCT AGCAGAGGCT	GGAGCCCAGT GGAGCCCAGT	GTGTTTTACC GTGTTTTACC GTGTTTTACC	INTRONIC CArg
rat mouse chicken	GACCCGGGTG GCCTCGGGTG CCCCGGTG ACCTCGAACT	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA	AGCGGACGCT AGCAGAGGCT AACAGACGGT	GGAGCCCAGT GGAGCCCAGT TGGAAA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150	INTRONIC CArG
rat mouse chicken human	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA	AGCGGACGCT AGCAGAGGCT AACAGACGGT CTCCAAACCG	GGAGCCCAGT GGAGCCCAGT TGGAAA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG	INTRONIC CArG
rat mouse chicken human rat	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG	AGCGGACGCT AGCAGAGGCT AACAGACGGT CTCCAAACCG CTTCAAACTG	GGAGCCCAGT GGAGCCCAGT TGGAAA AA.CTGCTCA AAGCTGCTCC	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG	INTRONIC CArG
rat mouse chicken human rat mouse	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG	AGCGGACGCT AGCAGAGGCT AACAGACGGT  CTCCAAACCG CTTCAAACTG CTTCAAACCG	GGAGCCCAGT GGAGCCCAGT TGGAAA AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG	INTRONIC CArG
rat mouse chicken human rat	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG	AGCGGACGCT AGCAGAGGCT AACAGACGGT CTCCAAACCG CTTCAAACTG	GGAGCCCAGT GGAGCCCAGT TGGAAA AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG	INTRONIC CArG
rat mouse chicken human rat mouse	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG	AGCGGACGCT AGCAGAGGCT AACAGACGGT  CTCCAAACCG CTTCAAACTG CTTCAAACCG	GGAGCCCAGT GGAGCCCAGT TGGAAA AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG	INTRONIC CArG
rat mouse chicken human rat mouse chicken	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG ATGGTTTC	AGCGGACGCT AGCAGAGGCT AACAGACGGT  CTCCAAACCG CTTCAAACTG CTTCAAACCGTCTAAACC	GGAGCCCAGT GGAGCCCAGT TGGAAA  AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA ACTCTGTTCA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCATGTTAG	INTRONIC CArG
rat mouse chicken human rat mouse chicken	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG ATGGTTTC TAAACCACTG	AGCGGACGCT AGCAGAGGCT AACAGACGGT  CTCCAAACCG CTTCAAACTG CTTCAAACCGTCTAAACC	GGAGCCCAGT GGAGCCCAGT TGGAAA  AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA ACTCTGTTCA  TTTCCGGGGA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCATGTTAG TTCATGTTAG CACAGTGACT	INTRONIC CArG
rat mouse chicken human rat mouse chicken human rat	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG ATGGTTTC  TAAACCACTG CAAACCACAG	AGCGGACGCT AGCAGAGGCT AACAGACGG CTTCAAACCG CTTCAAACCGTCTAAACC AGCTCGACTC CGGCAGTTTC	GGAGCCCAGT GGAGCCCAGT TGGAAA  AA.CTGCTCA AAGCTGCTCC .AGCTGCTCA ACTCTGTTCA  TTTCCGGGGA .CTCTGGAAA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCATGTTAG TTCATGTTAG CACAGTGACT CACACCGACG	INTRONIC CArG
rat mouse chicken human rat mouse chicken	GACCCGGGTG GCCTCGGGTGCCCCGGTG ACCTCGAACT  1101 TAATTAGGAA	CAGTTCCAAA CAGTTCCAAA CTGTTCCAAA ATGCTTTG ATGCTCCCTG ATGCTCCCCG ATGGTTTC  TAAACCACTG CAAACCACAG CAAACCACAG	AGCGGACGCT AGCAGAGGCT AACAGACGGT  CTCCAAACCG CTTCAAACTG CTTCAAACCGTCTAAACC	GGAGCCCAGT GGAGCCCAGT TGGAAA  AA.CTGCTCA AAGCTGCTCA ACTCTGTTCA  TTTCCGGGGA .CTCTGGAAA .CTCTGGAAA	GTGTTTTACC GTGTTTTACC GTGTTTTACC GTGTTTTACC GCATATTTCC  1150 TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG TTCAGGTTAG CACAGTGACT CACACCGACG CACACAGACT	INTRONIC CArG

FIG.13D

human rat mouse chicken	TCT	TCTC	TAGTGACGAC CAGTGACAAG	ATAACATTCT GCTCCTTTCA CCTCCTTTCA GCAACCTACT	AAGCTTATTA GAGCTTAATA
human rat mouse chicken	AGACAT	ATTTTCTGGA TTTTCCTGGA	TATTTTGGAT TATTTTTGAT	AAGTAAAAA GAAGTAGAAA GAAATAGAAA CAACGTGGGA	TACGTCTTTA TACATCTTTA
human rat mouse chicken	CTGAATTAG. CGGAATTTGA	TGATTTTT	ACTTGCATTT TCCTGCATTT	TTTTTCTGAG TAAAAAAAAA TTTTAAAAAC ATCGAGAACT	CTAGGAAGCT CAGGGTAGCT
human rat mouse chicken	TATTTCTCTG TATTTTTCTG	AATATACTAA AATATACTAA	GGCACAACCT GGCACAACCT	AACAGTTATT TAAGTCATCC TAAGCCATCT TGAAGGGTCT	TGCCCAAC
rat mouse	CCCTCCTCCC TATTTCTCTG TATTTTCTG AAGCAGTCCA 1401 CACATTCATGAGTTTATG AAAGTTTATG	AATATACTAA AATATACTAA CAGCTGCGTG GTAACCATAC TGGGTTATCC TGGGTTATCC	GGCACAACCT GGCACAACCT CTCGTGGCTG	TAAGTCATCC TAAGCCATCT TGAAGGGTCTCCATTTTCCCGTTTTC	AAAAATATCC TGCCCAAC TGCCCAACAA GCAGTGAGAG

FIG.13E

human rat mouse chicken	CAGCA AACAGGCTTA	GCACATCCAT GGCTTCCTGT GTGGACACAC TCGACGTGCA	AGACTCTCTG AGACTCTCTG	CTGGTCCTTT CTGGTCCTTT	GCTGCTGGCT GGTGGTTTCT
human rat mouse chicken	GCCTCTGCCA GCCTCTGCCA	GATACCCCAG aTCACC GTCACC GGAGCCAGCT	TGGC	TGCTGTGCCT TTCTGTGCCT	CTCTGTGCTT CCTTGTGGTT
human rat mouse chicken	TGAGACTGTC TGAAACTTTC	GCCTCTTTTC TTCTGAGTCT TTCTGAGTCC ACATTGCAAT	TTATCGTCC. TTATCATCC.	.ACTGGAAAG	GAAGCTAAAT GAAGCTAAGT
human rat mouse chicken	ATAAATTCAG ATAATT	GAATGCCAAA TGTCTGAAAG GAGTGATTCC	AAGAGGCAGA CAGAGGCATA	GTAGAGAGAG GTGGAAAGAG	GAAAGAGCAA GAAAGAGCAA
human rat mouse chicken	ACCAACCAAG ACTGCTGAAG	GAAAGGGCAA ATCCCATTTT AAAGGGATTT TGCTGGTATT	TCCGTTCTTG TCCCATTCTT	TGAGGGGAAC GCAAGGGGA.	CCAGGCATTG ACACATTG
human rat mouse chicken	AAGATTT	CACACGTTGA CACTCTGATT CACTCTGATC AAAGCATTTT	TTGGAGGCAG TTGGGGACAG	GGTTTGAAAG GG.TTGAAAG	GAAACCAAAA AAAACCAAGA

FIG.13F

	1801				1850
human	GAAAGAAAGC	AAAGGTTAGA	AACAAAGAGT	TCTGG	. ATACTGAAA
rat	TCACAAACAG	<b>AATCTCTGGG</b>	TAAAGACAAT	AGTCA	. CATGGTGAG
mouse	TCGCAAACAG	AATCTTTGGG	TAGGGATAAT	AGTTA	.CTTGATGAT
chicken	GGAGAAAAAC	AATTTCTGTT	TTAGTGAAGC	AGGGAGCCAG	CATAAATTAC
	1851			-	1900
human	ATAATCACAC	AGTGATAGTA	ATAATAATGA	TGATGAAATT	AGTATTTATT
rat	ATCGACAAGC	AATGCTTGT.	ACAATGCCCT	TGATGTCCCC	cGAAGCTGTC
mouse	ATCCACGCGC	AATGCTTGT.	CCAACACTCT	GGATGTCCTT	TGAAGCTCTC
chicken	TTTGTCATTC	TACAAATGCA	GCTTATTAGC	TGGTTTGAAA	TGATGATGGA
	1901				1950
human	GAGAACTTAG	AGTATCTCTG	CCACTATAAA	TTATTTAAA	CACTTTAAAA
rat	GAAAACACAA	GCTTAAATGT	CAATTACTTA	AAATGCTATT	TTAAGCC
mouse	AAAAATCCAA	GCTTAAATGT	CAATTCCTTA	AATTGTTGTT	AAAAACAACC
chicken	GCACACACTA	TGGACAGTTT	CAAAACACAT	${\tt GCTGTCCTTG}$	ATTGCATTTT
	1951				2000
human	AACCCAATCT	CTATAAGAAC	TCCATGAGGT	ATGTCCTGAT	ATCATTACTG
rat	CAAAAGAGTA	TGTGCTCAGT	TAGTCAAGGT	TAGAAGAAAT	ACCAGAACTC
mouse	CTAAGGGGTA	TATACTCAGT	TAATCAAGCT	TAGAAGAAGA	TACCAGAGCT
chicken	AAAGTCAGGA	TATCATCTTT	CTACGTGCAC	CAGTCTTGTC	AGGATGATAG
	2001				2050
human					
	TTTTATAGTA	AGGAAATTGT	GGTTTAGAGA	TGTTAAATAA	CTGAAATCAC
rat				TGTTAAATAA TACTTGCCAC	
rat mouse	AGGGAGGAA	AAAATATtTA	TAAAACCTGA	TACTTGCCAC	
	AGGGGAGGAA CAGGGAAGAA	AAAATATTTA AAAAAGTCTA	TAAAACCTGA CAAAAGCTGA	TACTTGCCAC	TTCCAAAGAA TTCAAAAGAA
mouse	AGGGGAGGAA CAGGGAAGAA	AAAATATTTA AAAAAGTCTA	TAAAACCTGA CAAAAGCTGA	TACTTGCCAC TGCTTGCCAC	TTCCAAAGAA TTCAAAAGAA
mouse	AGGGGAGGAA CAGGGAAGAA	AAAATATTTA AAAAAGTCTA	TAAAACCTGA CAAAAGCTGA	TACTTGCCAC TGCTTGCCAC	TTCCAAAGAA TTCAAAAGAA
mouse	AGGGGAGGAA CAGGGAAGAA AGGCAGGGGA 2051	AAAAAGTCTA CATCATACTG	TAAAACCTGA CAAAAGCTGA AATCTGATGC	TACTTGCCAC TGCTTGCCAC	TTCCAAAGAA TTCAAAAGAA TTGTTTTTGC 2100
mouse chicken	AGGGGAGGAA CAGGGAAGAA AGGCAGGGGA 2051 ACAGCTTTTA	AAAATATTTA AAAAAGTCTA CATCATACTG ACTGTTGGAG	TAAAACCTGA CAAAAGCTGA AATCTGATGC .CCTGGACTC	TACTTGCCAC TGCTTGCCAC AAAGAGACCT	TTCCAAAGAA TTCAAAAGAA TTGTTTTTGC 2100 TTTCTGACTT
mouse chicken human	AGGGGAGGAA CAGGGAAGAA AGGCAGGGGA 2051 ACAGCTTTTA	AAAATATETA AAAAAGTCTA CATCATACTG ACTGTTGGAG TATTTTGGAG	TAAAACCTGA CAAAAGCTGA AATCTGATGC .CCTGGACTC	TACTTGCCAC TGCTTGCCAC AAAGAGACCT AAATCCAGGC AGCTTTGGGG	TTCCAAAGAA TTCAAAAGAA TTGTTTTTGC 2100 TTTCTGACTT

FIG.13G

	2101				2150
human	CAGAGTCTAA	GCTCATAATC	ATGTGATCTG	AAATCTTCGT	TGTCCTAAAT
rat				ATTAAGTTTC	
mouse	GAGGAACAAC	TCACATTITA	TTAAGGTCAT	A.TCTGTCTC	TTTCTGTAAC
chicken				TCGCTGTCTC	
	2151				2200
human	GTATCAGTTC	AAGGCTCTTG	GACAAGTCAC	TTCAACTCCT	TAAGCCTTGG
rat	TTATCAGTCT	TAAGTAAG	AATAGCTATT	ATCATCCTGT	TGGGTTTTCA
mouse				AGCAACCTGT	
chicken				ATAGTTCCAT	
	2201				2250
human	TTTCCTTGTC	AGCTGAAGAT	AATATTACAT	GCCTTGACTT	TAAAATATGT
rat	GCTTAGCAGT	GATTTTGATT	AATGAGGAAA	TGTTGTAAaT	CCTAAAATTG
mouse	GCTTAACAGT	GACTTTAATA	AATGAAGAAA	TGTTATAACT	CGTAAAATTT
chicken				CCTATCAGTT	
	2251				2300
human	CATCTCAATT	GCAGTTTTAT	<b>GTTCTTTGCA</b>	<b>AAGAGTTATT</b>	TTACATGAAG
rat	CAAACTCCCC	CATCAAAAAT	TTtCAATCCA	ATATTTTTTA	CTAGAGTAGg
mouse	CAAAC.ACCA	TATTTGGAAA	TTTCTATCCA	<b>AGTTTCCATA</b>	TTAGA
chicken	CGCATTCTCT	GTCTTACAGG	GTGGTTCTGG	TACCTCACTT	TGTTGTTTTT
	2301				2350
human	CACTGCTAAG	GAAGTTTTAG	GCCTTTGGCA	AGATGCAGGT	TTGATTTTGT
rat	ACTTGgTAGC	CTTTCAACTT	<b>GTGATCcTCC</b>	TGCCTCAGCT	TCCCAAGTGg
mouse	CCAGC	TCCTTAACTT	<b>GTGATCCTCC</b>	TGCCTCAGCC	T.CCAAGTGC
chicken	TTTTCAATTA	TTCTTTTCTT	<b>GCTGTTTCCA</b>	TAG~~~~	~~~~~~
	2351				2400
human	GGGAATGTTT	TGGCAGAACT	CCAACTC	TGTAATAG	CTATTTTATT
rat	TAGGATCACA	GGTCTACATC	ACCACGCCCA	GTCTTGATTC	ATGTCTAATG
mouse	TAGGAT.ATA	GGTGTACATC	ATCACACCCA	GCCTTGATTC	ATATTTAATA
chicken					

FIG.13H

	2401				2450
human	TCCCTACTTC	TCAGATGTTT	CCTTAAAAGA	ACTGCCTTTT	TTATATGGAT
rat	CCACACCAGC	ACCCAAGTCT	TCAGAGACAA	AAGATTTTTC	TTTTAAACAT
mouse	CCTCACCGGC	TCACAAGTCT	TTAGAGCCAA	AAGTTTTCTC	TTTTAAACAT
chicken	~~~~~	~~~~~			~~~~~~
	2451				2500
human				AGAAGAAATT	
rat				TATGCTGCCC	
mouse	TTAATATGAG	TAAACATTTT	AACATTTTCA	AATTCTCACA	TGCTGCCCA.
chicken	~~~~~~~		~~~~~~~~~	~~~~~	~~~~~~
	0501				2550
h	2501	TTCACATCTC	AATCCCACCC	AGATAACTCT	
human				ACCAAAAAAA	
rat	AATCTACCTT	IIIGGGGAA	AAIAIAIIII	ACCAMANA	AVAGIGACII
mouse chicken					
chicken					
	2551				2600
human		AACATTTCGA	CCTAATTGTG	ATTAGAAAAG	
human rat	CTCTTAACGG			ATTAGAAAAG GATATAGATA	TGGAAGAGGT
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CTCTTAACGG TGGTTTGATA	TAGATAACAA	ACCTTGGTTT		TGGAAGAGGT ACAAACCTTT
rat	CTCTTAACGG TGGTTTGATA	TAGATAACAA	ACCTTGGTTT	GATATAGATA	TGGAAGAGGT ACAAACCTTT
rat mouse	CTCTTAACGG TGGTTTGATA	TAGATAACAA	ACCTTGGTTT	GATATAGATA	TGGAAGAGGT ACAAACCTTT
rat mouse	CTCTTAACGG TGGTTTGATATTCCT	TAGATAACAA TGAAAATCTA ~~~~~~	ACCTTGGTTT CCTTTGGTGG	GATATAGATA GGGGGGGGGG ~~~~~	TGGAAGAGGT ACAAACCTTT GGGACTATAT 2650
rat mouse	CTCTTAACGG TGGTTTGATATTCCT	TAGATAACAA TGAAAATCTA ~~~~~~	ACCTTGGTTT CCTTTGGTGG	GATATAGATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT 2650
rat mouse chicken	CTCTTAACGG TGGTTTGATATTCCT 2601 CTTGAACTGG	TAGATAACAA TGAAAATCTA ~~~~~~~~~ AAGCCAAGGG CTTTAACATG	ACCTTGGTTT CCTTTGGTGG ~~~~~~~~~~~~~~~~~~~	GATATAGATA GGGGGGGGGG AGTACCT ATTCCCTATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT 2650 GATGTCTGGC GACCTGTGTT
rat mouse chicken human rat mouse	CTCTTAACGG TGGTTTGATATTCCT 2601 CTTGAACTGG	TAGATAACAA TGAAAATCTA ~~~~~~~~~ AAGCCAAGGG CTTTAACATG	ACCTTGGTTT CCTTTGGTGG ~~~~~~~~~~~~~~~~~~~	GATATAGATA GGGGGGGGGG AGTACCT	TGGAAGAGGT ACAAACCTTT GGGACTATAT 2650 GATGTCTGGC GACCTGTGTT
rat mouse chicken human rat	CTCTTAACGG TGGTTTGATATTCCT 2601 CTTGAACTGG CTAGATAGTT	TAGATAACAA TGAAAATCTA ~~~~~~~~~ AAGCCAAGGG CTTTAACATG	ACCTTGGTTT CCTTTGGTGG ~~~~~~~~~~~~~~~~~~~	GATATAGATA GGGGGGGGGG AGTACCT ATTCCCTATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT 2650 GATGTCTGGC GACCTGTGTT
rat mouse chicken human rat mouse	CTCTTAACGG TGGTTTGATATTCCT 2601 CTTGAACTGG CTAGATAGTT ATATATA	TAGATAACAA TGAAAATCTA ~~~~~~~~~ AAGCCAAGGG CTTTAACATG	ACCTTGGTTT CCTTTGGTGG ~~~~~~~~~~~~~~~~~~~	GATATAGATA GGGGGGGGGG AGTACCT ATTCCCTATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT  2650 GATGTCTGGC GACCTGTGTT GAACTCTGCT
rat mouse chicken human rat mouse chicken	CTCTTAACGG TGGTTTGATATTCCT 2601 CTTGAACTGG CTAGATAGTT ATATATA 2651	TAGATAACAA TGAAAATCTA 	ACCTTGGTTT CCTTTGGTGG GTGGCTAAAG TGgTATCACT	GATATAGATA GGGGGGGGGG AGTACCT ATTCCCTATA TGTCCCTATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT  2650 GATGTCTGGC GACCTGTGTT GAACTCTGCT  2700
rat mouse chicken human rat mouse chicken	CTCTTAACGG TGGTTTGATATTCCT  2601 CTTGAACTGG CTAGATAGTT ATATATA  2651 TGGAGCTCTC	TAGATAACAA TGAAAATCTA AAGCCAAGGG CTTTAACATG	ACCTTGGTTT CCTTTGGTGG GTGGCTAAAG TGgTATCACT CTGTGTGCCC	GATATAGATA GGGGGGGGG AGTACCT ATTCCCTATA TGTCCCTATA TGTCCCTATA TTTGAGCAATC	TGGAAGAGGT ACAAACCTTT GGGACTATAT  2650 GATGTCTGGC GACCTGTGTT GAACTCTGCT  2700 ACTTCCTGAT
rat mouse chicken human rat mouse chicken human rat	CTCTTAACGG TGGTTTGATATTCCT  2601 CTTGAACTGG CTAGATAGTT ATATATA  2651 TGGAGCTCTC CTCCACTCAG	TAGATAACAA TGAAAATCTA AAGCCAAGGG CTTTAACATG CTCTAATGCC GACCTCTCAT	ACCTTGGTTT CCTTTGGTGG  GTGGCTAAAG TGgTATCACT  CTGTGTGCCC CTGTGCTCTG	GATATAGATA GGGGGGGGGG  AGTACCT ATTCCCTATA TGTCCCTATA TGTCCCTATA TGTCCCTATA TGTCCCTATA TGTCCCTATA	TGGAAGAGGT ACAAACCTTT GGGACTATAT  2650 GATGTCTGGC GACCTGTGTT GAACTCTGCT  2700 ACTTCCTGAT ACACACTAAT
rat mouse chicken human rat mouse chicken	CTCTTAACGG TGGTTTGATATTCCT  2601 CTTGAACTGG CTAGATAGTT ATATATA  2651 TGGAGCTCTC CTCCACTCAG	TAGATAACAA TGAAAATCTA AAGCCAAGGG CTTTAACATG CTCTAATGCC GACCTCTCAT	ACCTTGGTTT CCTTTGGTGG  GTGGCTAAAG TGgTATCACT  CTGTGTGCCC CTGTGCTCTG	GATATAGATA GGGGGGGGG AGTACCT ATTCCCTATA TGTCCCTATA TGTCCCTATA TTTGAGCAATC	TGGAAGAGGT ACAAACCTTT GGGACTATAT  2650 GATGTCTGGC GACCTGTGTT GAACTCTGCT  2700 ACTTCCTGAT ACACACTAAT

FIG.131

	2701				2750
human	TTTCTTATTT	GTGAAAAT	GAGAGCATTG	GATGAAAATG	TCCTCTAATA
rat	GCTCTGCCCT	GCTTGAGAGT	GgTAAAAGAG	${\tt CCTGTGA.GC}$	TCCTGCTCTT
mouse	GCTCTGACCA	GCTTGAGAGT	GTTATAAGAG	CCTGTGACAC	TCCCGCTCTT
chicken				~~~~~~	
	2751				2800
human		TTCTCAAATT			
rat		GCTTGTGGTG			
mouse	TGTGCTGAGG	ACTTGTGGTG	TTAACCTGGA	AGTCAGGGTT	TEGGATEATE
chicken			~~~~~~~		
	2801				2850
human		AAGGATCCAA	GTATAAGATC	CAAGTATAAA	
rat		CAGTCTGGTG			
mouse		CAGCCTAGTG			
chicken	~~~~~~	~~~~~	~~~~~		~~~~~
	2851				2900
human	~~~~~~	~~~~~			~~~~~~
human rat	AGATCTGGGG	AGAGCGTCCA			CCAAGAACCC
	AGATCTGGGG	AGAGCGTCCA AGAGCCTCCA			CCAAGAACCC
rat	AGATCTGGGG				CCAAGAACCC
rat mouse	AGATCTGGGG AGAACTGTGG				CCAAGAACCC CCAAGAACCC
rat mouse chicken	AGATCTGGGG				CCAAGAACCC
rat mouse chicken human	AGATCTGGGG AGAACTGTGG 	AGAGCCTCCA	GCTAAAATAA	CACAACAGGA	CCAAGAACCC CCAAGAACCC 2950
rat mouse chicken human rat	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950
rat mouse chicken human rat mouse	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT	AGAGCCTCCA	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950
rat mouse chicken human rat	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950
rat mouse chicken human rat mouse	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950
rat mouse chicken human rat mouse	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT TGTCTGTGGG	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950 TCTGCGCTAC
rat mouse chicken human rat mouse chicken	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT TGTCTGTGGG	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCC	CACAACAGGA GGCCAAACGC	CCAAGAACCC CCAAGAACCC 2950 TCTGCGCTAC
rat mouse chicken human rat mouse chicken	AGATCTGGGG AGAACTGTGG  2901 TGGTTGTGGT TGTCTGTGGG  2951	AGAGCCTCCA TGGGAGTGAC	GCTAAAATAA CGTAGGCTCCTAGGCTCT	CACAACAGGA GGCCAAACGC AGCCAAATGC	CCAAGAACCC CCAAGAACCC 2950 TCTGCGCTAC 3000

FIG.13J